

REMARKS

Figures 1, 2, 4, 5, and 8 have been amended, and the changes shown in red ink on one set of the accompanying drawing sheets.

In Figure 1, reference numeral "9" has been changed to reference numeral "90" as indicated, corresponding to the changes to the Specification at Page 6, set forth in the accompanying Amendment B document. Reference numeral "103" has been added to identify the "interface 103" described in the specification at Page 6.

In Figure 2, reference numeral "103" has been added to identify the "interface 103" described in the specification at Page 6.

In Figure 4, reference numerals "2a" and 2b" have been added to identify the "random access memory (RAM) 2a" and the "flash memory 2b" described in the Specification at Page 7, lines 22-26. Reference numeral "11a" has been added to identify the "tympanometry interface 11a" described in the Specification at Page 9, line 32. Reference numeral "107" has been added to identify the "dedicated serial link" described in the Specification at Page 8, lines 20-22. The label "LLD" associated with reference numeral "4" in Figure 4 has been corrected to read "LCD". Similarly, the label "JTAG/ONCE" associated reference numeral "20" has been corrected to read "SERIAL PORT", and the label "CODE CS" associated with reference numeral "8" has been corrected to read "CODECS".

In Figure 5, three connecting arrows have been added indicating the process directions for "NO" at the first and second boxes, and the "YES" process direction at the fourth box.

In Figure 8, dashed lines have been added to better distinguish which parts of the operational sequence are taking place within discrete components of the auditory testing device of the present invention. Reference numeral "110" has been corrected to reference numeral "111". Similarly, the second occurrence of reference numeral "114" appearing at the box labeled "Average New and Old Frame Overlap Ave." has been corrected to reference numeral "117". Abbreviated descriptions in boxes 113 and 114 have been expanded. The term "OFF" appearing in box 112 has been corrected to "DFT", and term "LED" appearing in box 121 has been corrected to "LCD".

No new matter is believed added by these drawing amendments.

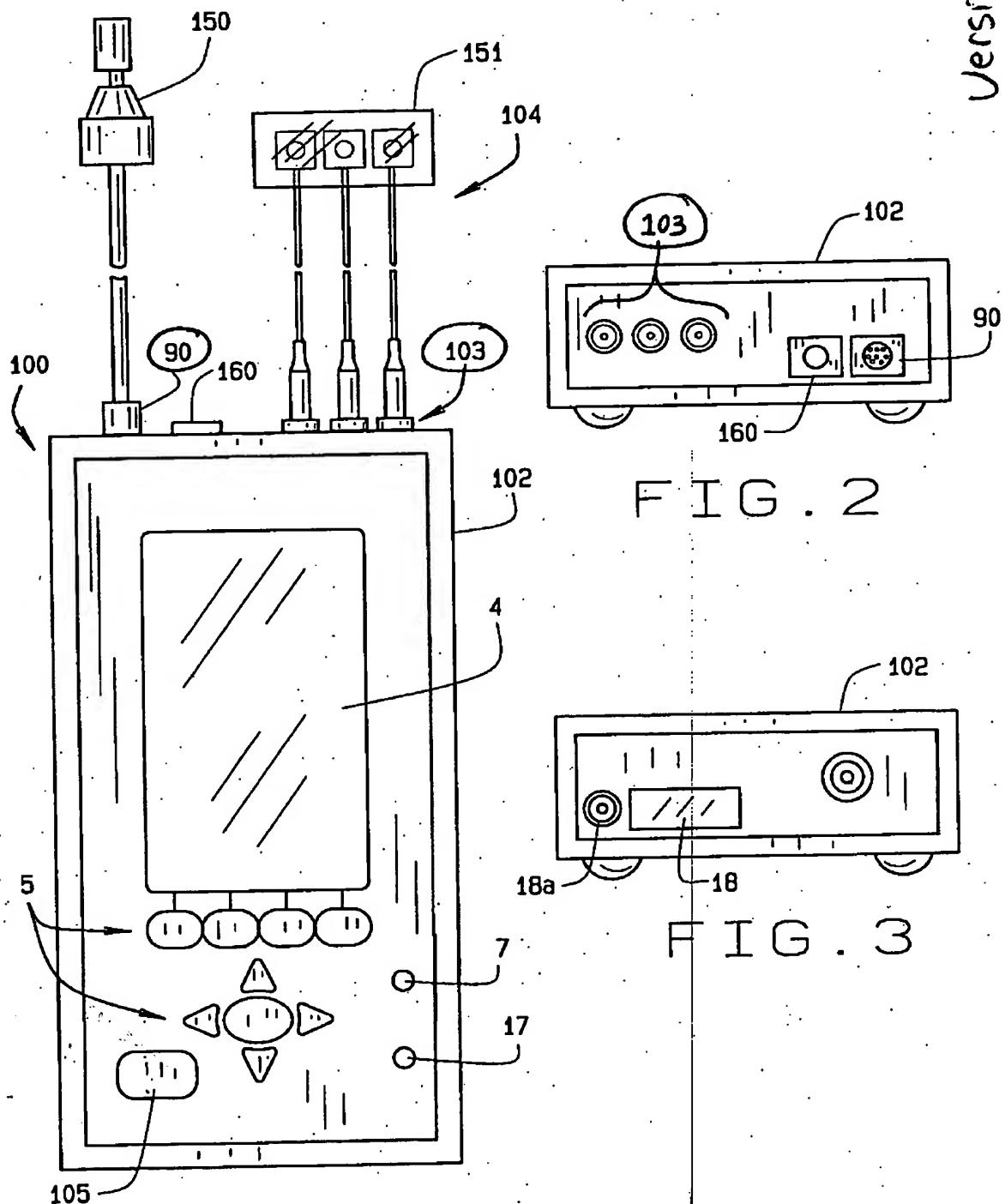
Respectfully submitted,

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Version to
Show
Changes



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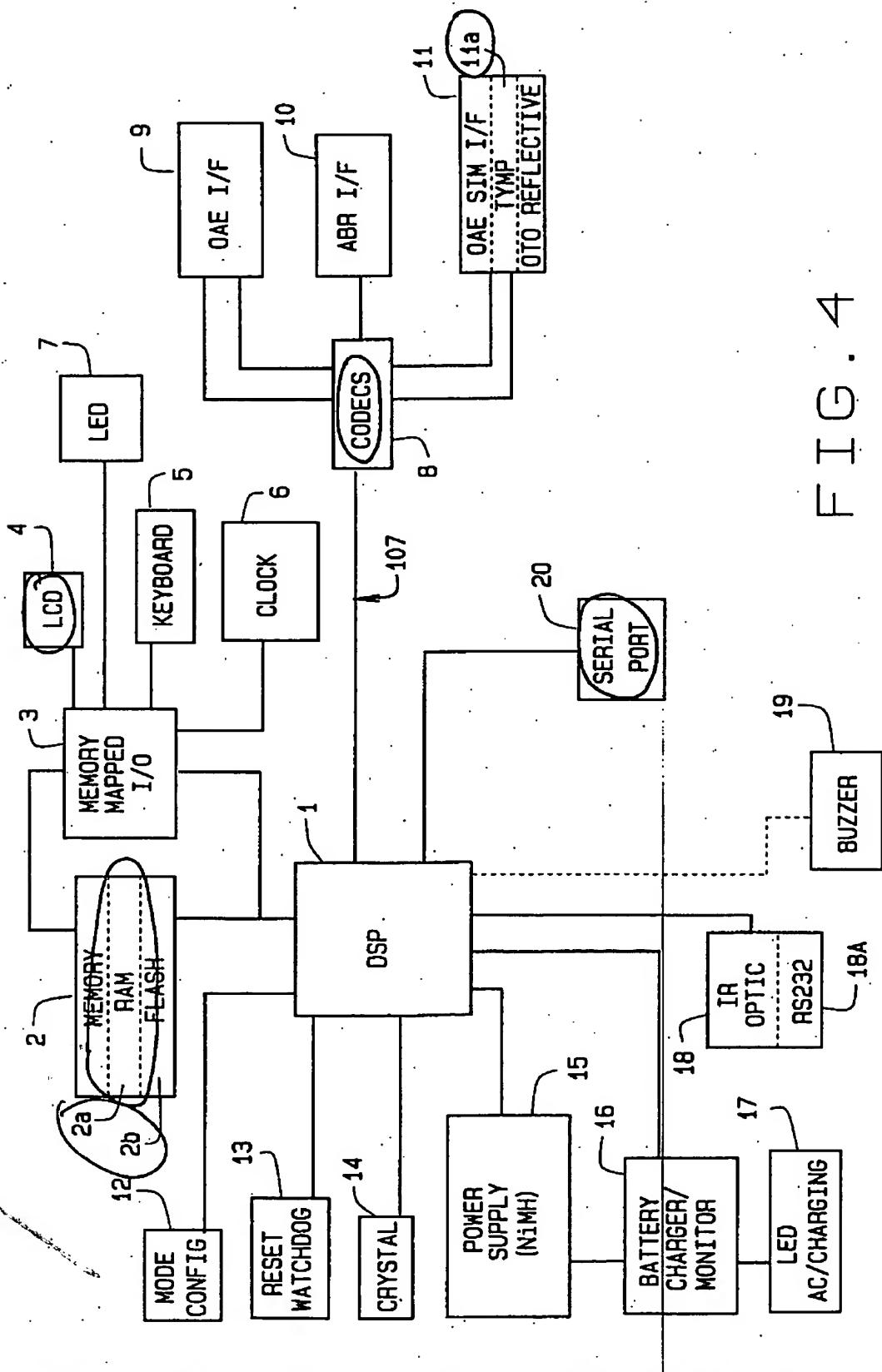


FIG. 4

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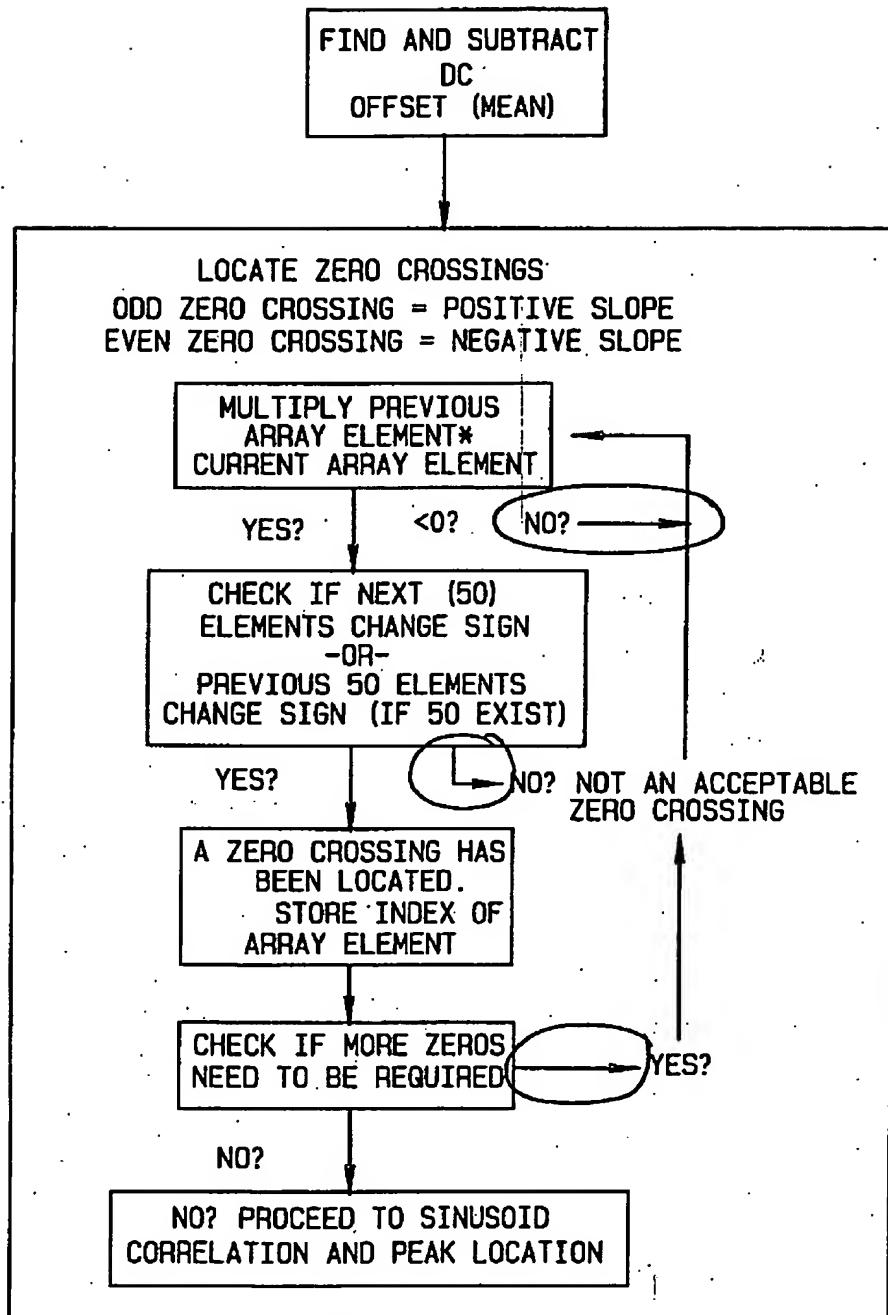


FIG. 5

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SINUSOID CORRELATION AND PEAK DETECTION

ISOLATE SINGLE WAVEFORM
PEAK BETWEEN
CONSECUTIVE ZEROS

GENERATE (100) HALF-SINUSOIDS.
EACH SINUSOID VARIES IN FREQUENCY
BY (0.000025) CYCLES/SAMPLE

CORRELATE WAVEFORM PEAK WITH
EACH SINUSOID AND FIND MAXIMUM
CORRELATION SINUSOID.

LOCATE TIME OF PEAK BY
MULTIPLYING 1/SAMPLING
FREQUENCY TIMES INDEX OF LEFT SIDE
ZERO OF INITIAL WAVEFORM PLUS THE
LENGTH OF ONE QUARTER OF THE
SINUSOID WITH MAXIMUM.

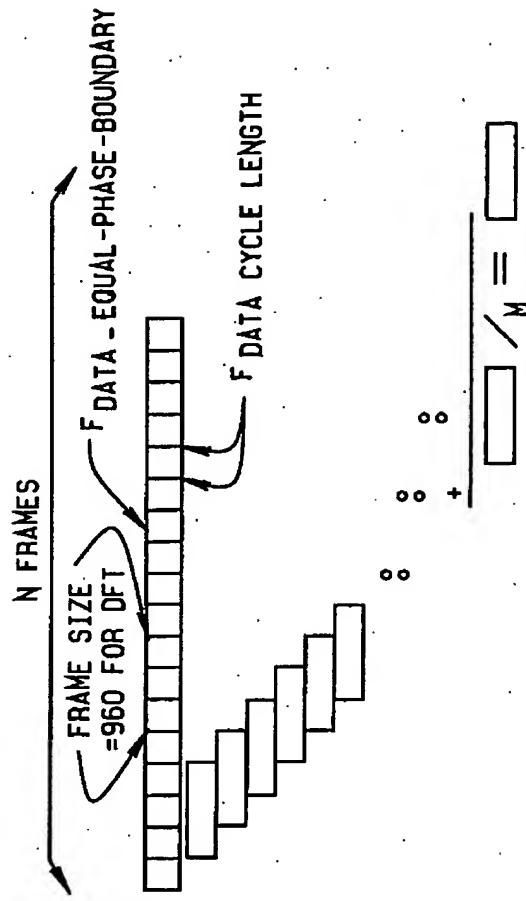


FIG. 7

FIG. 6

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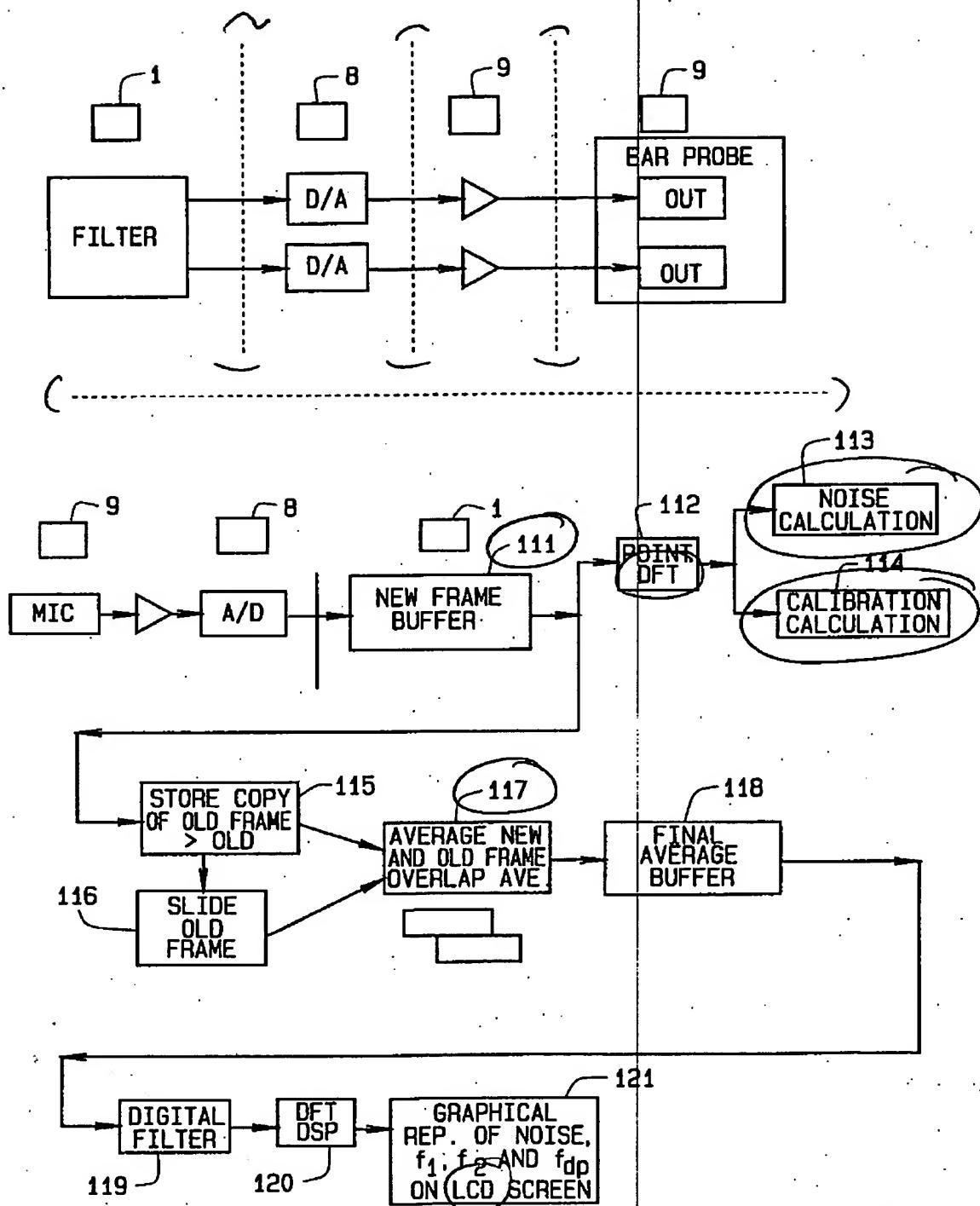


FIG. 8